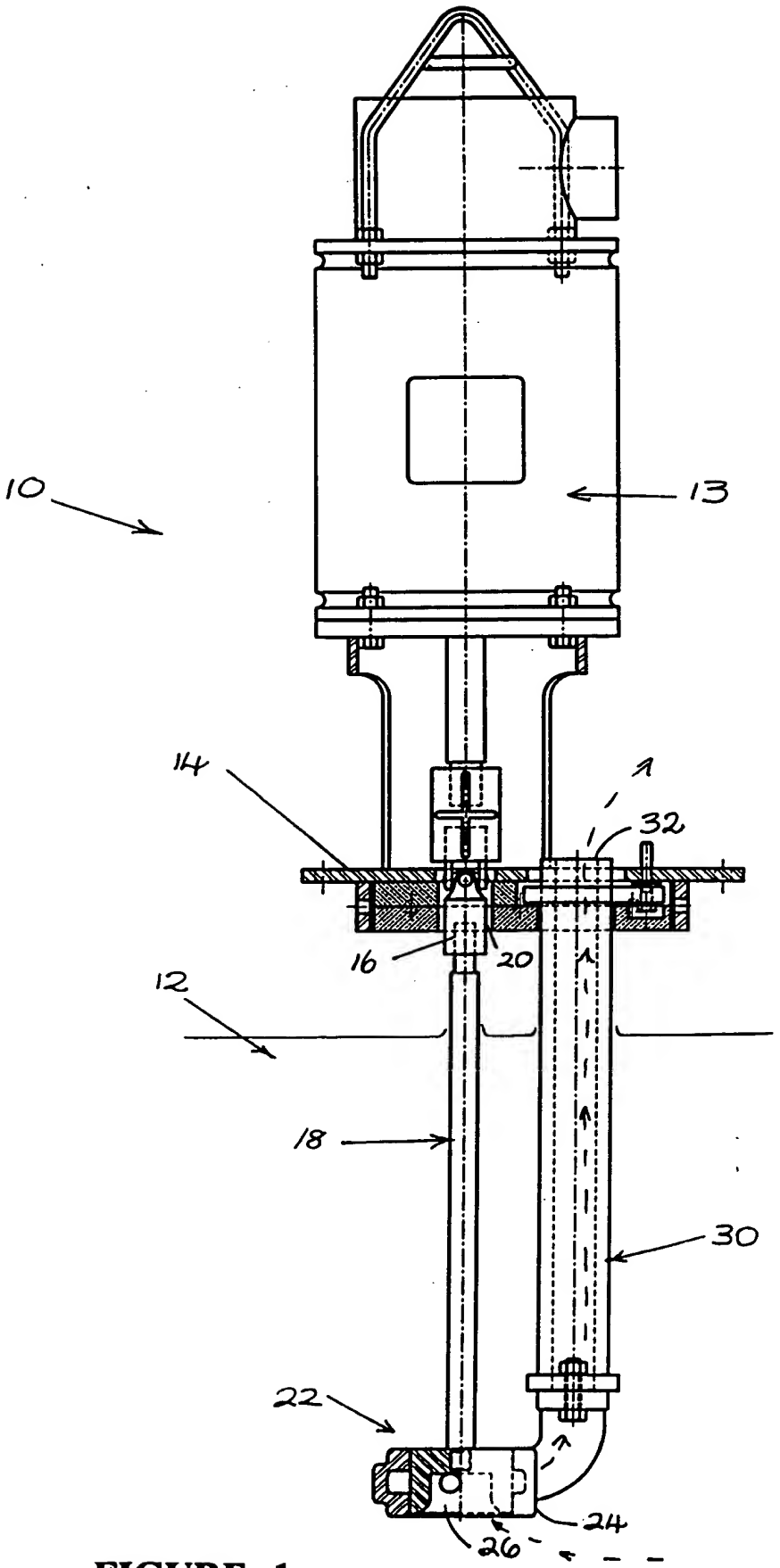


FIGURE 1

A.A. Nayeb-Hashemi and J.B. Clark, 1991

Phase	Composition, wt Ni	Pearson symbol	Space group
(Mg)	0	*hP2*	*P6₃/mmc*
Mg_2Ni	54.7	*hP18*	*P6₂22*
$MgNi_2$	82.9	*hP24*	*P6₃/mmc*
(Ni)	100	*cF4*	*Fm3̄m*

Mg-Ni

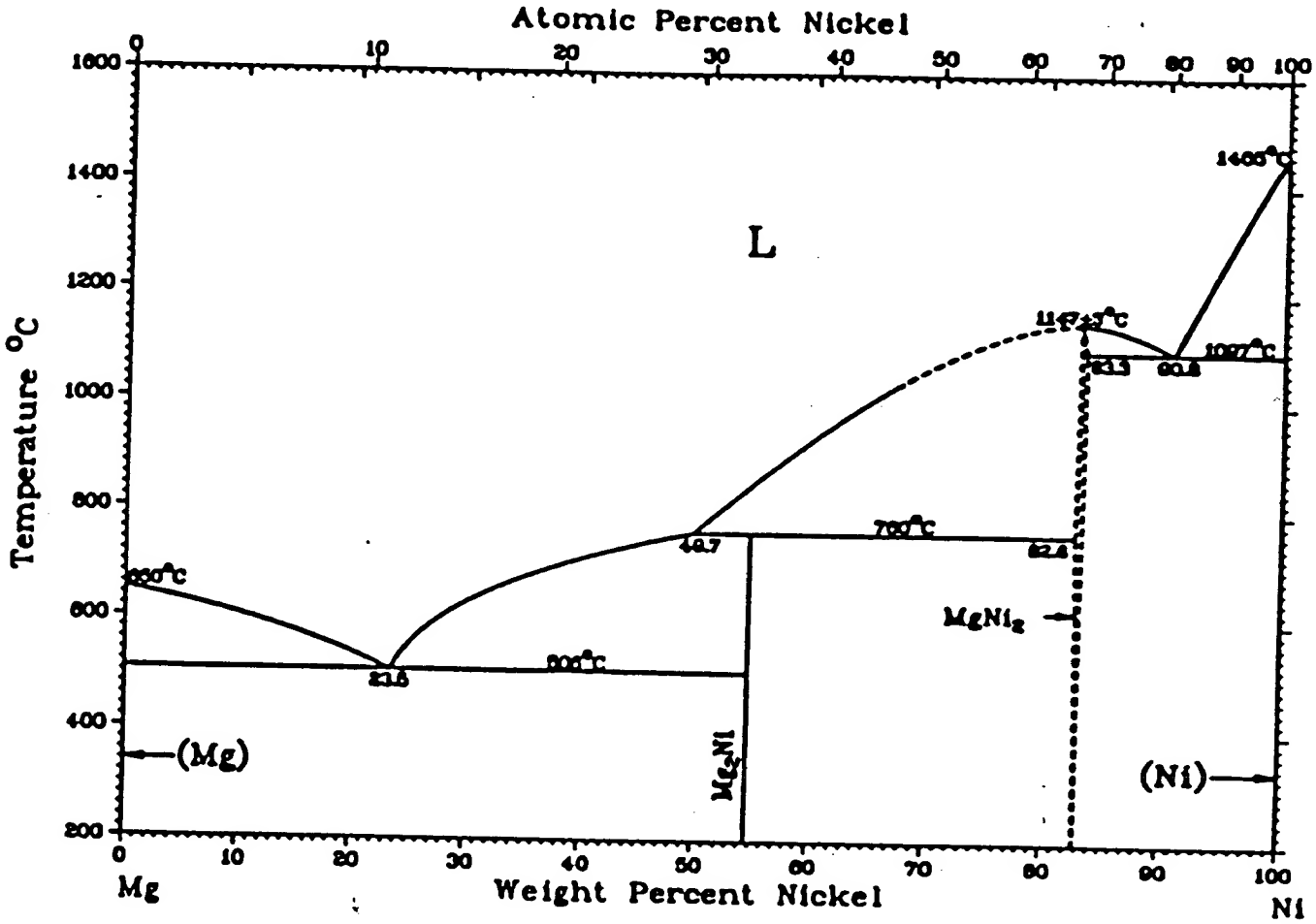


FIGURE 2

A.A. Nayeb-Hashemi and J.B. Clark, 1988

Phase	Composition, wt% Mn	Pearson symbol	Space group
(Mg)	0 to 2.2	*hP2*	$P6_3/mmc$
(αMn)	100	*cI58*	$I\bar{4}3m$
(βMn)	100	*cP20*	$P4_132$
(γMn)	100	*cF4*	$Fm\bar{3}m$
(δMn)	100	*cI2*	$Im\bar{3}m$

Mg-Mn

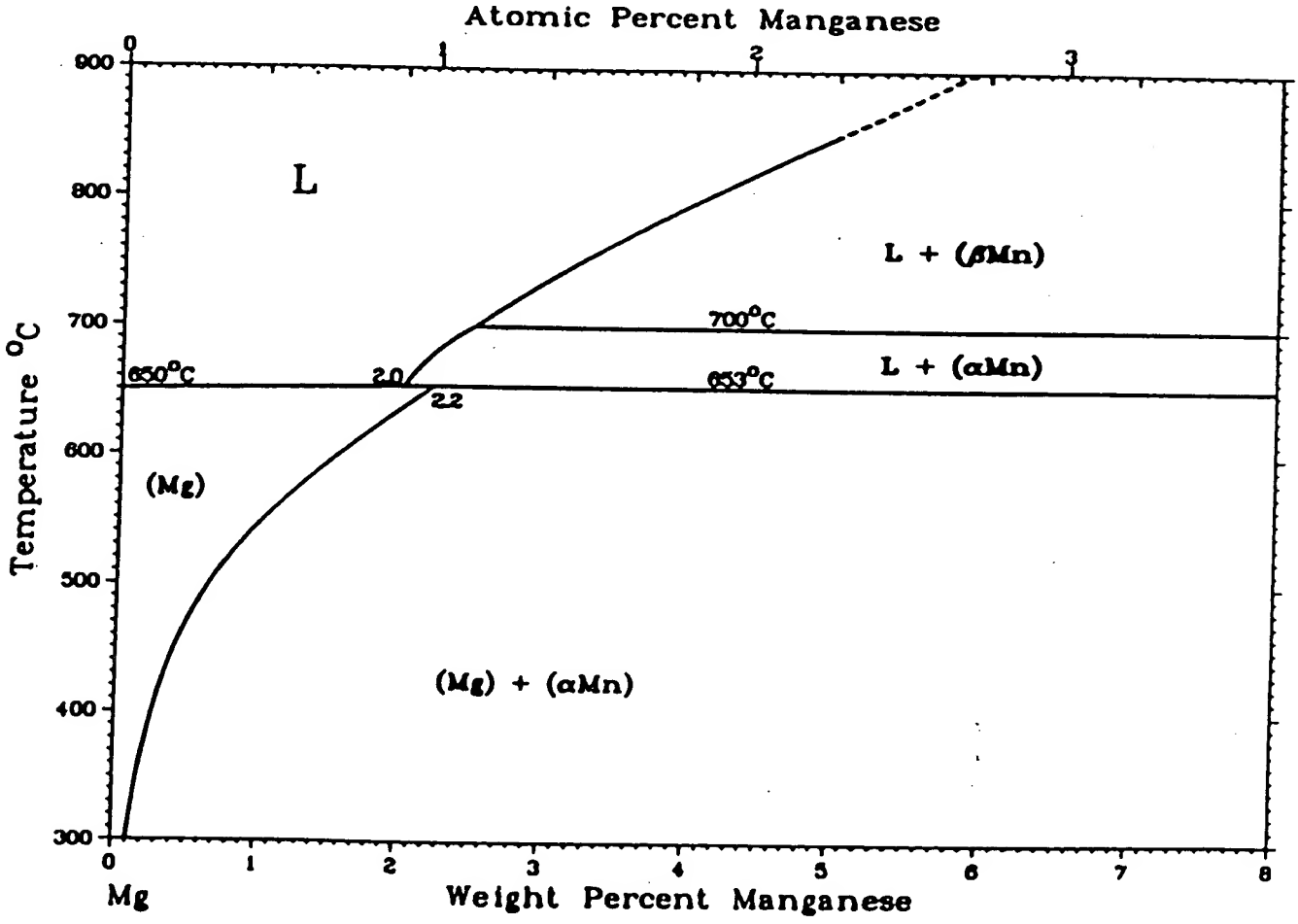


FIGURE 3

Phase	Composition, wt % Si	Pearson symb l	Space group
(Mg)	~0	*hP2*	$P6_3/mmc$
Mg_2Si	36.61	*cF12*	$Fm\bar{3}m$
(Si)	~100	*cF8*	$Fd\bar{3}m$
High-pressure phases			
Mg_2Si(a)	36.61	...	...
SiII	100	...	...

(a) Above ~2.5 GPa and 900 °C, it forms a hexagonal structure.

Mg-Si

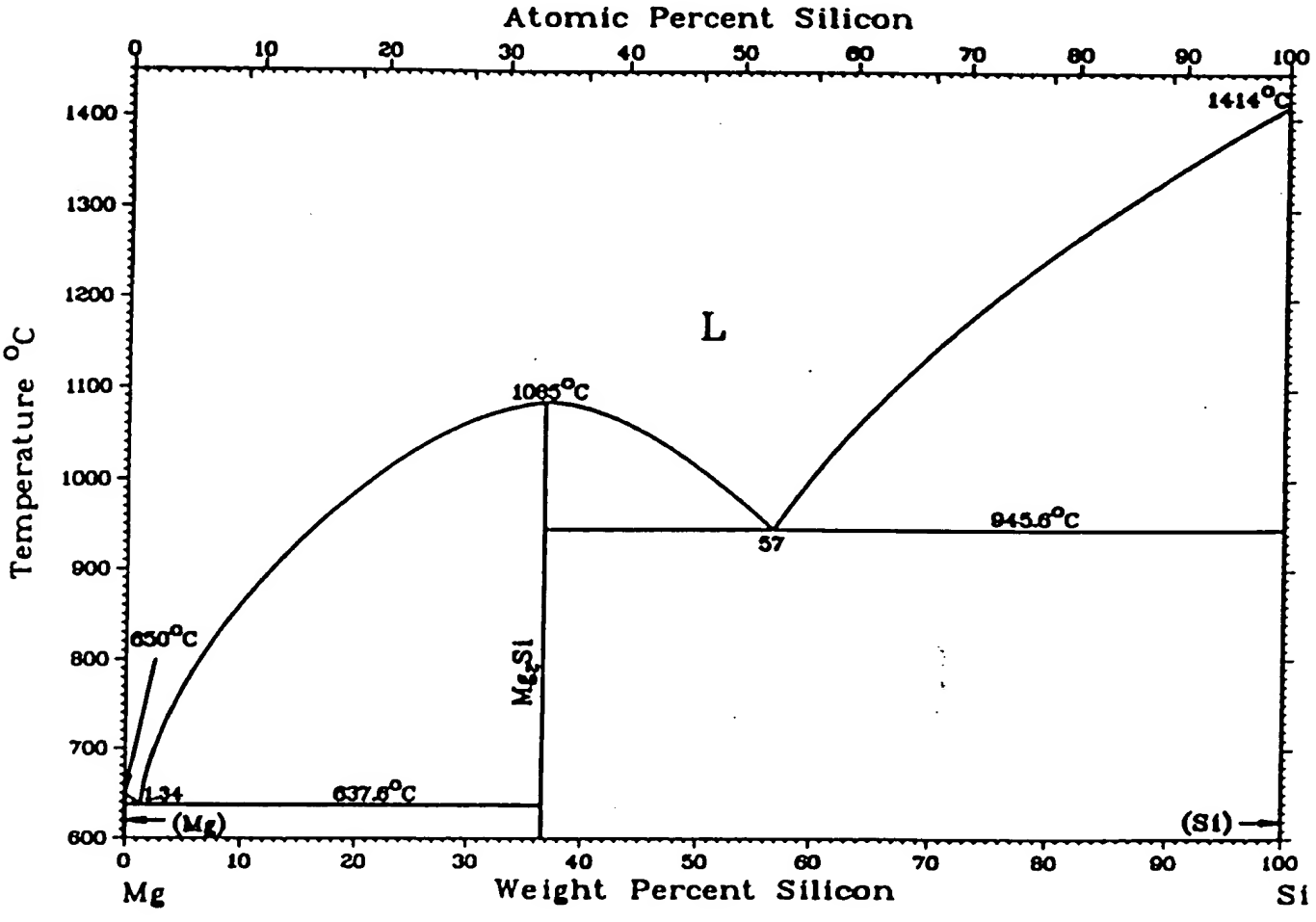


FIGURE 4

Cr-Fe

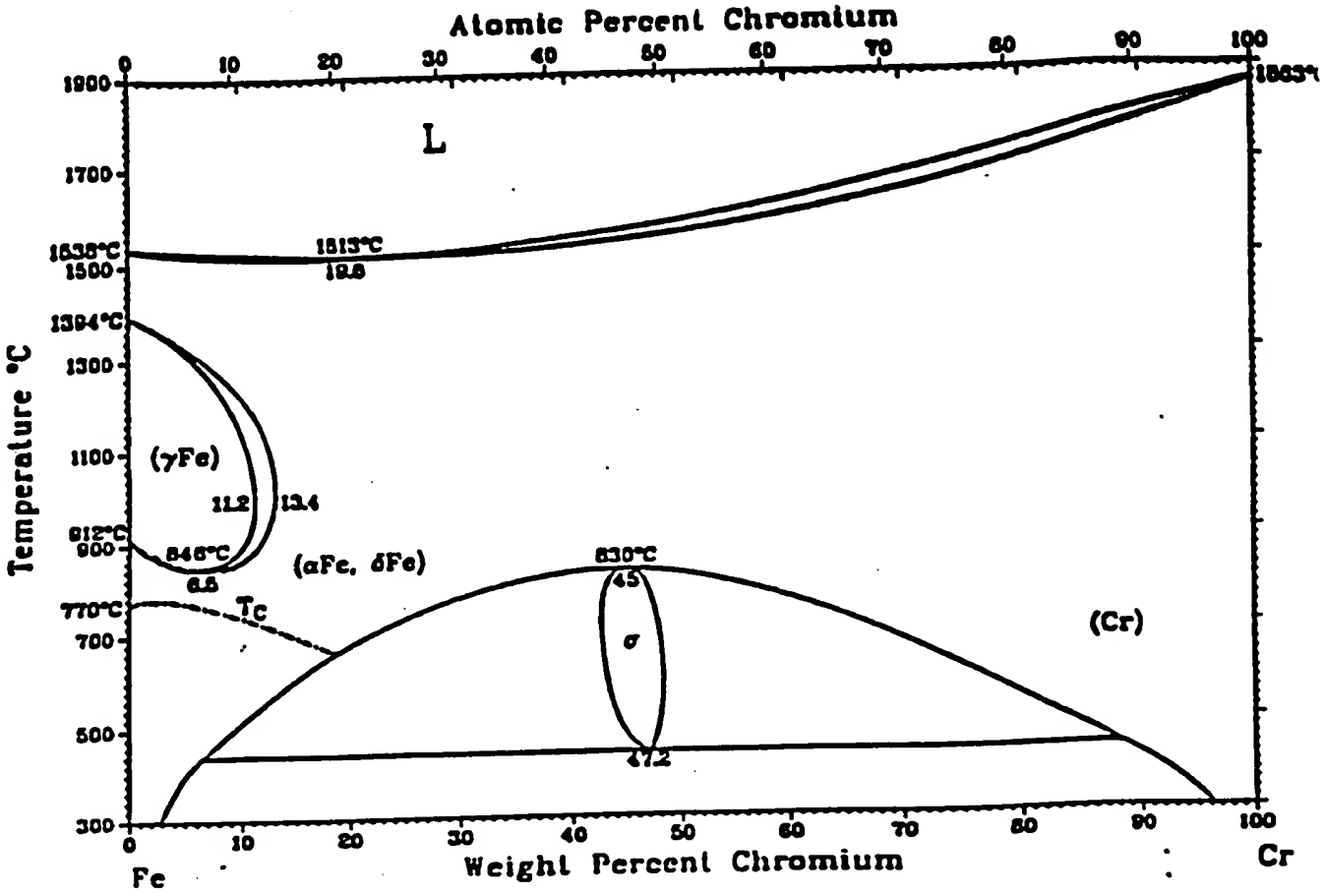
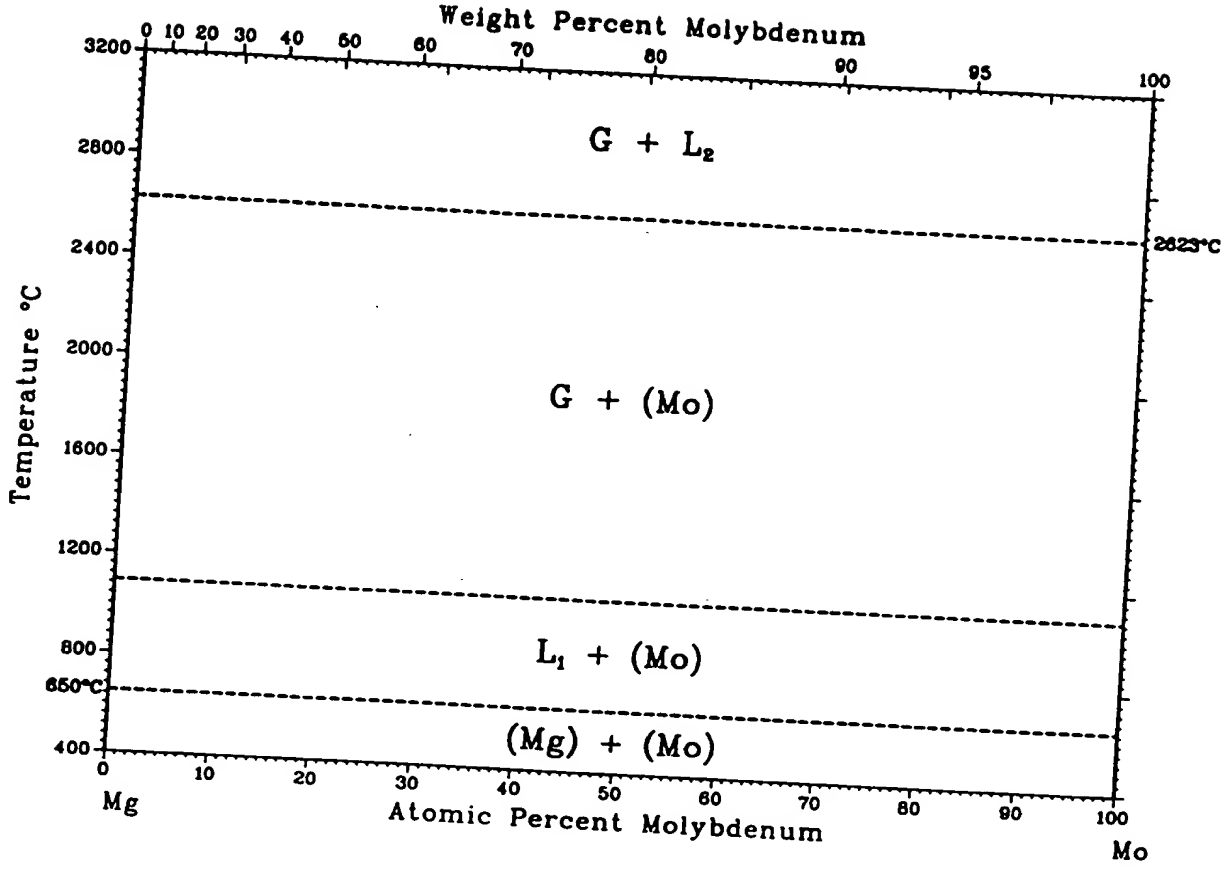
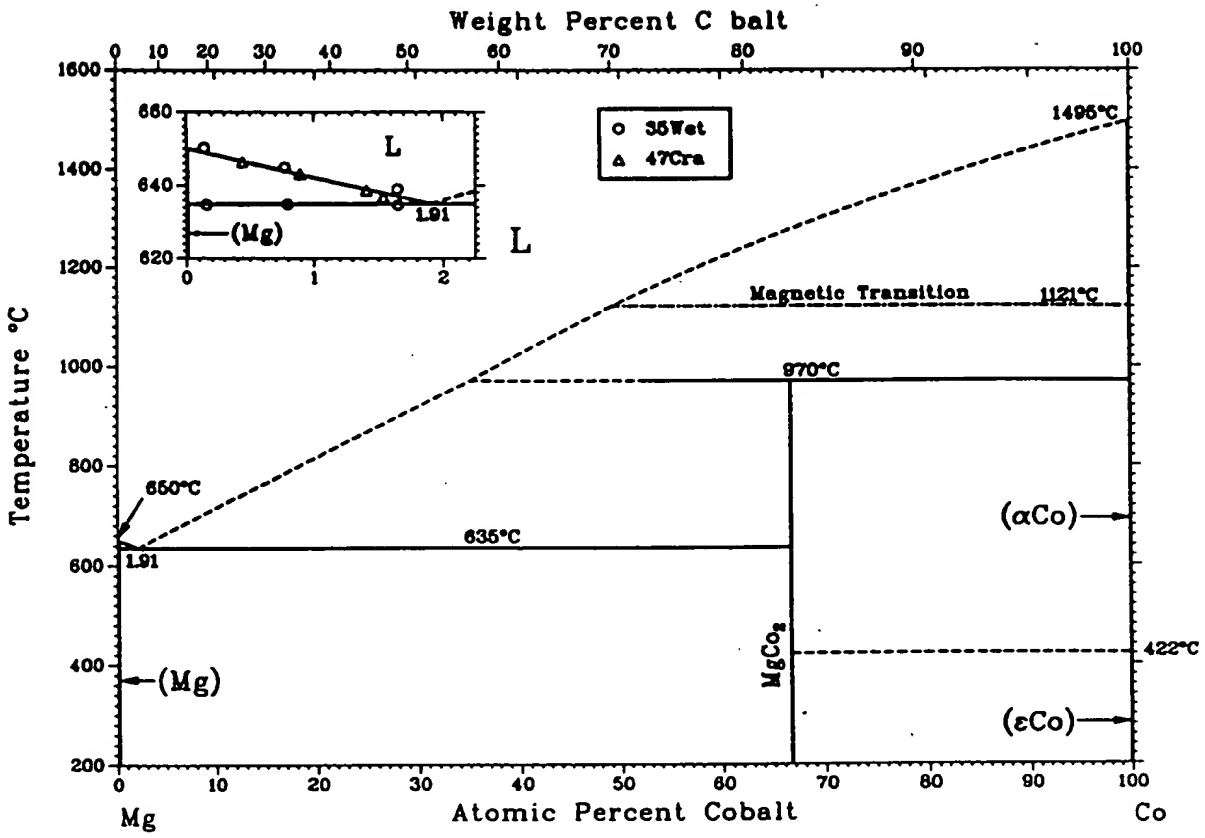


FIGURE 5



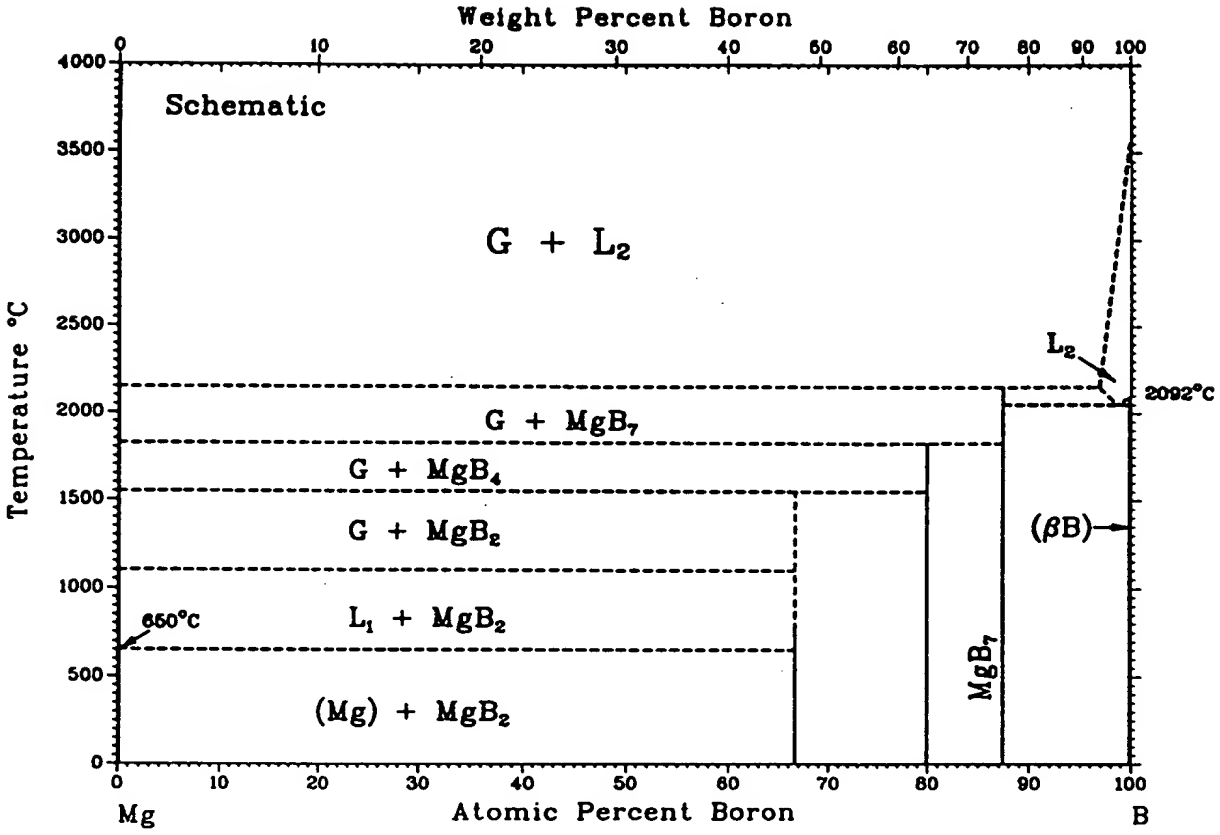
A.A. Nayeb-Hashemi and J.B. Clark, 1988.

FIG. 6



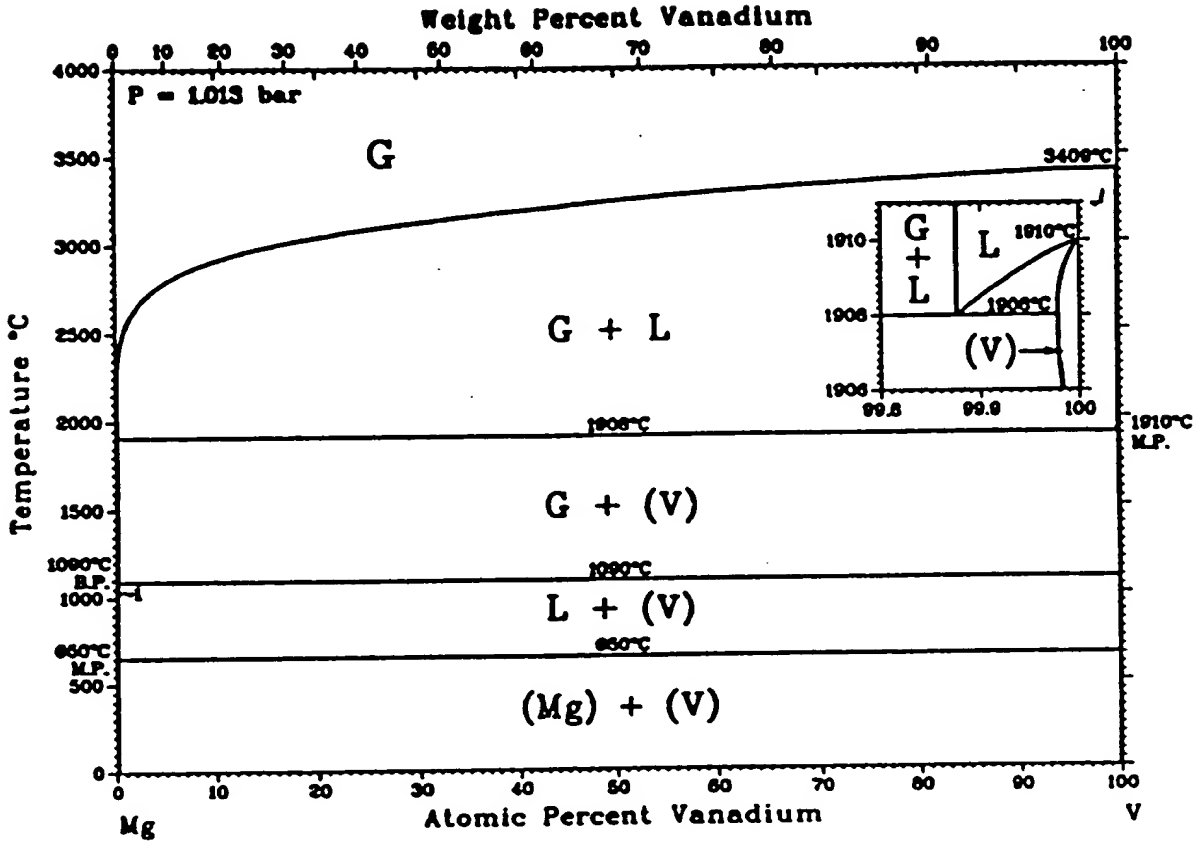
A.A. Nayeb-Hashemi and J.B. Clark, 1988.

FIG. 7



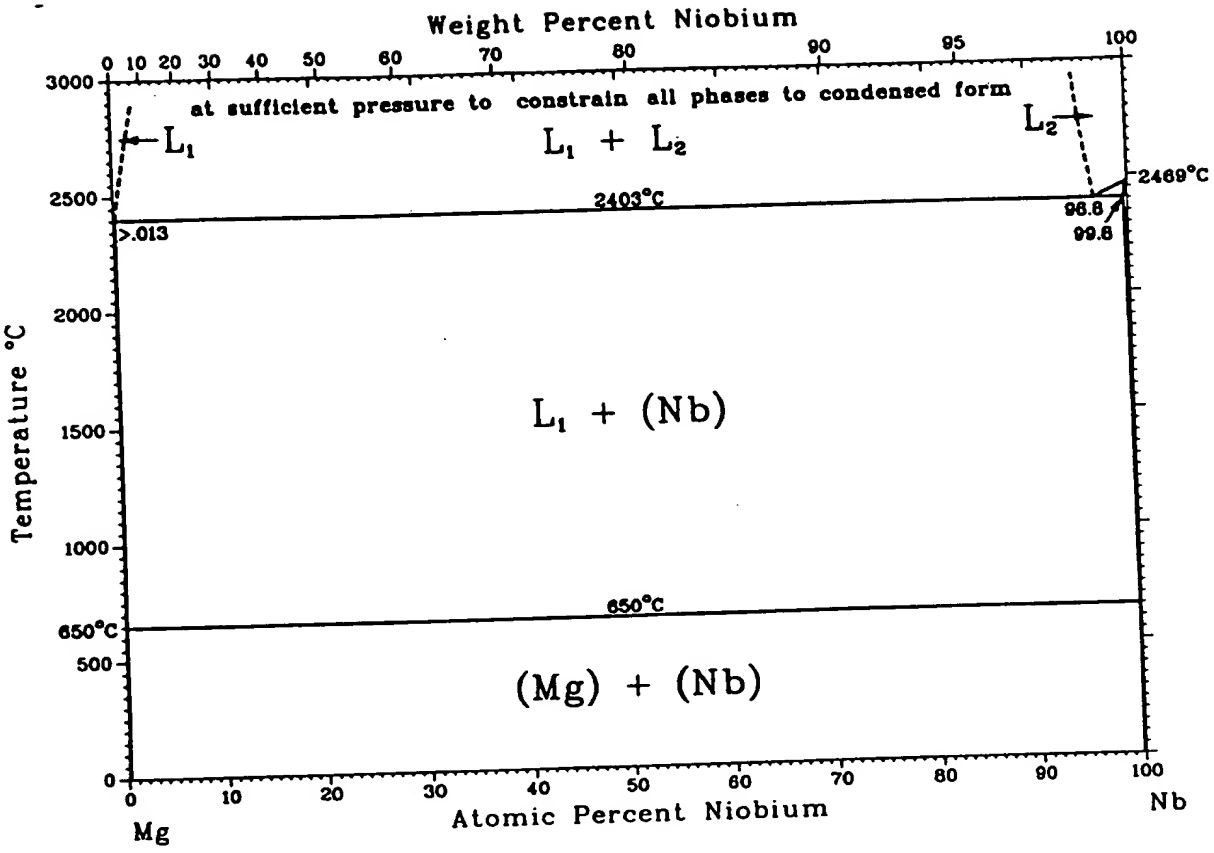
A.A. Nayeb-Hashemi and J.B. Clark, 1988.

FIG. 8



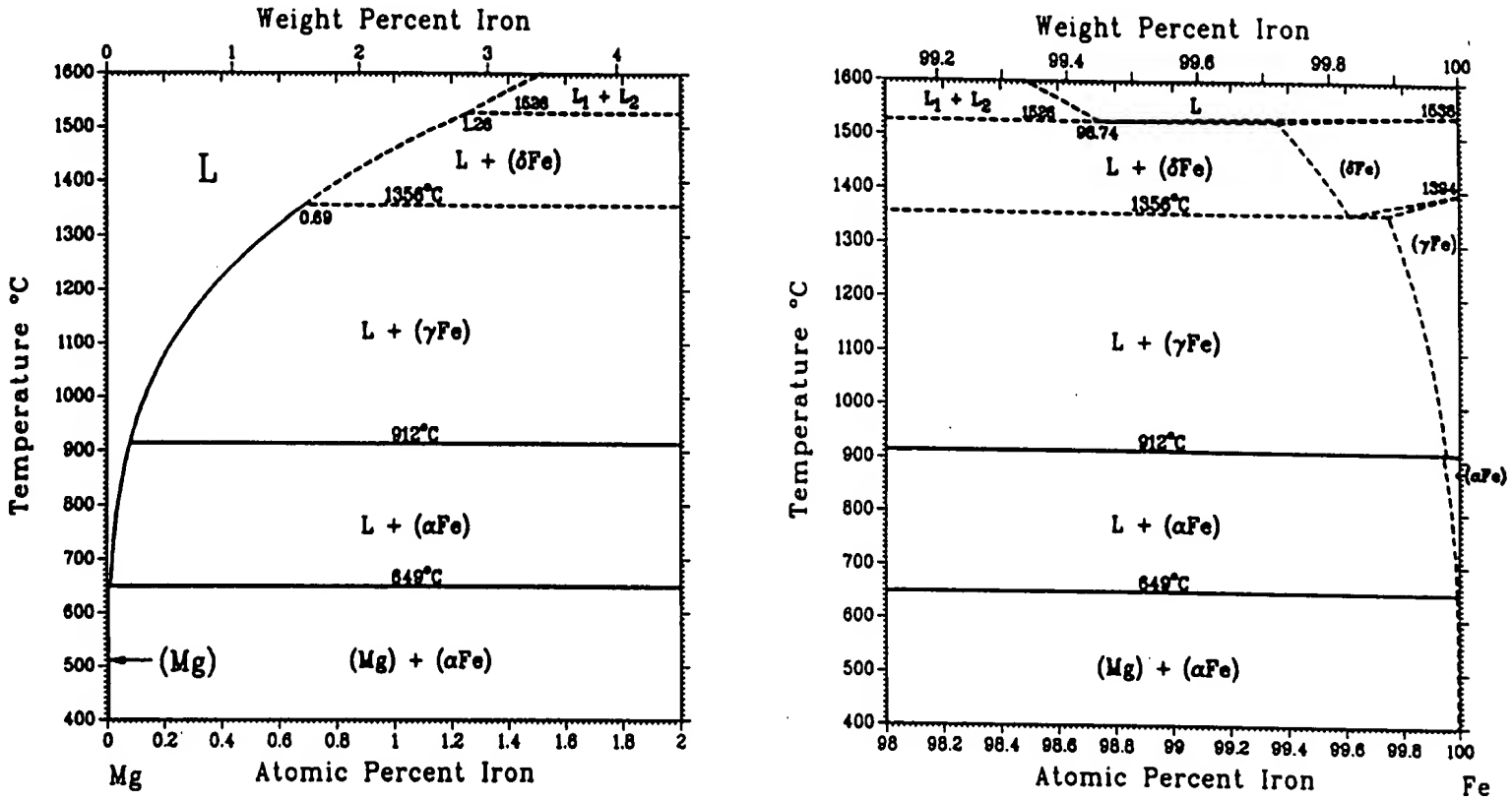
J.F. Smith and K.J. Lee, 1988.

FIG. 9



J.F. Smith, 1988

FIG. 10



A.A. Nayeb-Hashemi, L.J. Swartzendruber, and J.B. Clark, 1988.

FIG. 11